

In the Claims:

1. Color-changing apparatus for a light assembly having a light source that generates a light beam in at least an axial direction , said color-changing apparatus comprising:

at least a first filter flag formed of a first color, said first filter flag exhibiting
5 along at least a portion of a length thereof, a first range of first color-saturation gradations in the first color;

at least a first filter-flag positioner for supportively positioning said at least first filter flag at lest selectably at an angle offset from the axial direction of the light beam, said first filter-flag positioner for translating said first filter flag selectably to position a selected portion
10 thereof in the light beam, a light- beam characteristic of the light beam dependent upon which, if any, portion of said first filter-flag forms the selected portion selectably positioned in the light beam.

2. The color-changing apparatus of claim 1 wherein said at least the first filter flag
15 comprises said first filter flag and at least a second filter flag, said second filter flag of a second color and exhibiting, along at least a portion of a length thereof, a second range of second color-saturation gradations in the second color.

3. The color-changing apparatus of claim 2 wherein said at least first filter-flag
20 positioner comprises said first filter flag positioner and at least a second filter-flag positioner, said second filter-flag positioner for supportively positioning said second filter flag at an angle offset from the axial direction of the light beam, said second filter-flag positioner for translating said second filter flag selectably to position a selected portion thereof in the light beam, the light-

beam characteristic of the light beam further dependent upon which, if any, portion of said second filter-flag forms the selected portion of the second filter flag positioned in the light beam.

4. The color-changing apparatus of claim 3 wherein said at least second filter flag
5 comprises said second filter flag and at least a third filter flag, said third filter flag of a third color and exhibiting, along at least a portion of a length thereof, a third range of third color-saturation gradations in the third color.

5. The color-changing apparatus of claim 4 wherein said at least second filter-flag
10 positioner comprises said second filter-flag positioner and at least a third filter-flag positioner, said third filter-flag positioner for supportively positing said third filter flag at an angle offset from the axial direction of the light beam, said third filter-flag positioner for translating said third filter-flag selectably to a position a selected portion thereof in the light beam, the light beam characteristic of the light beam further dependent upon which, if any, portion of said third filter-
15 flag forms the selected portion of the third filter flag positioned in the light beam.

6. The color-changing apparatus of claim 5 wherein the first color of which said first filter is formed comprises cyan, wherein the second formed comprises yellow, and wherein the third color of which said third filter is formed comprises magenta.

20 7. The color-changing apparatus of claim 1 wherein said at least the first filter-flag comprises a dichroic filter.

8. The color-changing apparatus of claim 1 wherein the first range of the first color-saturation gradations extend along the first filter flag to define a less saturated region of the first portion and a more saturated region, and wherein said first filter flag further comprises a second portion, the second portion exhibiting a first selected constant saturation level.

5

9. The color-changing apparatus of claim 1 wherein changes in the first color-saturation gradations extend in a linear direction along the at least the portion of the length said first filter flag.

10 10. The color-changing apparatus of claim 8 wherein said first filter flag further comprises a third portion, the third portion exhibiting a third selected constant saturation level.

11. The color-changing apparatus of claim 1 wherein the angle offset from the axial direction at which said first filter-flag positioner supportively positions said first filter flag
15 comprises a substantially perpendicular angle, substantially perpendicular to the axial direction of the light beam.

12. The color-changing apparatus of claim 1 wherein said first filter flag positioner further comprises a linear translation actuator for actuating translation of said first filter flag to
20 position the selected portion of said first filter flag in the light beam.

13. The color-changing apparatus of claim 12 wherein the linear translation actuator of said first filter flag positioner is selectably actuatable in a first direction and in a second direction, reverse of the first direction.

5 14. The color-changing apparatus of claim 12 wherein said filter-flag positioner comprises a carrier frame, positionable about selected side surfaces of said first filter flag and wherein the linear translation actuator comprises an actuator having an actuation arm attached to a side of the carrier frame.

10 15. The color-changing apparatus of claim 1 wherein the light assembly comprises a first lens and a second lens spaced apart therefrom, the first lens and the second lens positioned in a path defined by the axial direction of the light beam, and wherein said first filter flag is positionable by said first filter-flag positioner between the first lens and the second lens.

15 16. A method for selectably changing a color of a light beam generated at a light source of a light assembly, the light beam generated in at least an axial direction, said method comprising:

supportively positioning at least a first filter-flag at least selectably at an angle offset from the axial direction of the light beam, the first filter-flag formed of a first color, and
20 the first filter flag exhibiting along at least a portion of a length thereof, a first range of first color-saturation gradations in the first color; and

selectably positioning a selected portion of the at least the first filter-flag in the light beam, a light-beam characteristic of the light beam dependent upon which, if any, portion of the at least the first filter flag is positioned in the light beam.

5 17. The method of claim 16 wherein said operation of supportively positioning comprises supportively positioning a set of filter flags, formed of the first filter flag and at least a second filter flag, at the angle at least selectably offset from the axial direction of the light beam.

10 18. The method of claim 17 wherein said operation of selectably positioning comprises independently positioning any selected portion of any filter flag of the set of filter flags in the light beam.

15 19. The method of claim 17 wherein each filter flag of the set of filter flags is supportively positioned during said operation of supportively positioning at a common side of the light beam generated by the light source.

20 20. The method of claim 17 wherein at least one of the filter flags of the set of filter flags includes an opaque portion.

20 21. The method of claim 17 wherein the first filter flag of the set of filter flags is supportively positioned during said operation of supportively positioning at a first side of the light beam generated by the light source and wherein the second filter flag of the set of filter

flags is supportively positioned during said operation of supportively positioning at a second side of the light beam generated by the light source.

22. The method of claim 16 wherein the first filter-flag, the selected portion of which
5 is positioned during said operation of selectably positioning in the light beam forms a mechanical dimmer.

23. The method of claim 16 wherein the at least the first filter-flag, the selected
portion of which is positioned during said operation of selectably positioning, is positioned by a
10 remote controller, positioned remote from the light assembly.